

## Electronic Acknowledgement Receipt

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|---|---|
| <b>EFS ID:</b>                              | 7322569   |
| <b>Application Number:</b>                  | 10825021  |
| <b>International Application Number:</b>    |   |
| <b>Confirmation Number:</b>                 | 7500  |
| <b>Title of Invention:</b>                  | System and method for topology-aware job scheduling and backfilling in an HPC environment |
| <b>First Named Inventor/Applicant Name:</b> | Shannon V. Davidson   |
| <b>Customer Number:</b>                     | 45507   |
| <b>Filer:</b>                               | David Gerald Wille/Sue LeRoy  |
| <b>Filer Authorized By:</b>                 | David Gerald Wille  |
| <b>Attorney Docket Number:</b>              | 064747.1017   |
| <b>Receipt Date:</b>                        | 31-MAR-2010   |
| <b>Filing Date:</b>                         | 15-APR-2004   |
| <b>Time Stamp:</b>                          | 11:02:35  |
| <b>Application Type:</b>                    | Utility under 35 USC 111(a)   |

### Payment information:

|  |                 |
|--|-----------------|
| Submitted with Payment                   | yes             |
| Payment Type                             | Deposit Account |
| Payment was successfully received in RAM | \$ 180          |
| RAM confirmation Number                  | 7828            |
| Deposit Account                          | 020384          |
| Authorized User                          |                 |

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## File Listing:

| Document Number              | Document Description                                 | File Name           | File Size(Bytes)/<br>Message Digest      | Multi Part /.zip | Pages (if appl.) |
|------------------------------|--|---------------------|--|------------------|------------------|
| 1                            |  | ray1017ids1449.PDF  | 105819                                   | yes              | 3                |
|                              |  |                     | 6b03d4053176d9317e899efc848df8d4fd2b7cbd |                  |                  |
|                              | Multipart Description/PDF files in .zip description  |                     |  |                  |                  |
|                              | Document Description                                 | Start               | End                                      |                  |                  |
|                              | Transmittal Letter                                   | 1                   | 2  |                  |                  |
|                              | Information Disclosure Statement (IDS) Filed (SB/08) | 3                   | 3  |                  |                  |
| Warnings:                    |  |                     |  |                  |                  |
| Information:                 |  |                     |  |                  |                  |
| 2                            | NPL Documents  | NPLray1012noa.pdf   | 286475                                   | no               | 5                |
|                              |  |                     | 2e225ea402c7f4a386312f5223dcb4875e9a8173 |                  |                  |
| Warnings:                    |  |                     |  |                  |                  |
| Information:                 |  |                     |  |                  |                  |
| 3                            | NPL Documents  | NPL1015noa.pdf      | 352258                                   | no               | 6                |
|                              |  |                     | 26a54f387d4c6831f743ac3e85e7e218b392c0ed |                  |                  |
| Warnings:                    |  |                     |  |                  |                  |
| Information:                 |  |                     |  |                  |                  |
| 4                            | NPL Documents  | NPL1014oa012810.PDF | 848094                                   | no               | 19               |
|                              |  |                     | d277bbcc6d58e52673874b76bf4e76fc90bc866  |                  |                  |
| Warnings:                    |  |                     |  |                  |                  |
| Information:                 |  |                     |  |                  |                  |
| 5                            | NPL Documents  | ray1014foreign.pdf  | 179466                                   | no               | 4                |
|                              |  |                     | c09b0d1ba9187007b97964714bdb6ef55364aa11 |                  |                  |
| Warnings:                    |  |                     |  |                  |                  |
| Information:                 |  |                     |  |                  |                  |
| 6                            | Fee Worksheet (PTO-875)                              | fee-info.pdf        | 30285                                    | no               | 2                |
|                              |  |                     | 3c51b57b81f396591cc9542ce9e6352a0216a86e |                  |                  |
| Warnings:                    |  |                     |  |                  |                  |
| Information:                 |  |                     |  |                  |                  |
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**If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.**

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